

ABSTRACT OF THE DISCLOSURE

A mold is filled with unsintered SiC particles and a melt of Al or of an Al alloy containing Si is poured into the mold for high pressure casting. Owing to the SiC particles and Si precipitated upon casting, a low expansion material having a low thermal expansion coefficient is produced. A heat transmission path is formed by Al infiltrating spaces between the SiC particles and therefore high heat conductivity is obtained.